



THE MOST RELIABLE WELDING®

HOFFMAN ARC CO., LTD

QUALITY CERTIFICATE OF WELDING CONSUMABLE

Type E308L-16	Norm AWS A5.4-2012	Brand Name Halbar	Part # 6003801	Diameter 3/32" (2.4mm)	Lot No. 183172H	Manufactured Date Shown on Package	Date of Issue 2019 / 01 / 31
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Mechanical Properties of Deposited Metal			Chemical Composition of Deposited Metal (%)							
Item		Requirement	Actual Result	Element	Requirement	Actual Result	Element	Requirement	Actual Result	
Yield Strength Rel(MPa)		--	--	C	≤ 0.04	0.023	Mo	≤ 0.75	0.042	
Tensile Strength Rm(MPa)		≥ 520	638	Si	≤ 1.00	0.83	V	--	--	
Elongation A5 (%)		≥ 30	45.0	Mn	0.5~2.5	0.84	Cu	≤ 0.75	0.037	
Sharp V noch	Impact Temp (°C)	--	--	S	≤ 0.03	0.010	Fe	--	9.1	
	Av. Absorbed Energy (J)	--	--	P	≤ 0.04	0.023	Ti	--	--	
X-Ray		I	I	Cr	18.0~21.0	19.85	--	--	--	
Hydrogen Content (ml/130g)		--	--	Ni	9.0~11.0	9.43	--	--	--	
Approved Classification Grade		CCS (--)	LR (--)	GL (--)	NK (--)	ABS (--)	BV (--)	DNV (--)	KR (--)	RINA (--)
10050 NW 116TH Way, Suite 15. Medley, Florida 33178. Telf: 305-4205099				This is to certify that the welding consumable conform with the standard						
				Signature		Inspection seal				
										